How It May Be Secured Without Much -loss of vigor and thrift, culminating ters thrown off by the lungs and the skin of the farm snimal are, compared with the air enclosed in the shelter of matter from the same organs of the human being, while the excrement of the farm animals must add much burtful matter to the air of their shelters.

loudly for thorough ventilation. Apparently, many suppose that if the foul air is allowed to escape and the pure air to enter, the shelter can not be made too warm. But this is not the case. The bodily heat of the animals is being constantly produced by an internal union of carbon (from the food taken into the stomach), and of oxygen (from air taken into the lungs); hence by a slow combustion it is being as constantly radiated into the surrounding atmosphere. If the atmosphere is of a low temperature, or if it is in motion, the radiation is more rapid. Hence, we can retard this radiation by confining about the animals a body of still air, and this we seek to do by sheltering. We also seek by shelters to ward off snow and rains; for these, being of a low temperature, falling upon the animals chill them, as the bodily heat is rapidly transferred to the snow or rain.

A gentle current will not abstract the bodily heat so rapidly as to meaace the health of the animals or to cause a large consumption of food in the production of bodily heat. In fact, to retard the escape of this heat as much as would be done by keeping about the animals for a long time a body of perfectly still air, would be unhealthful. A vertical current of air so gently that it will not materially reduce the temperature of the shelter will, nevertheless, be ample for ventilation. A verticle current is better than a borizontal one, for it will not strike so immediately and directly upon the animals. This vertical current is easily got. The air, being heated by the heat radiated from the animals, is made lighter and rises to the roof the foul air will pass out. while the outside, pure sir, being colder and heavier, will sink to take its place. This verticle displacement of air is so gentle that the outside air that enters will scarcely lower the temperature of the shelter. The openings in the roof can be protected from snow and rain by cupolas.

In the less pretentious shelters the openings can be made just under the eaves. They will as well suffice for ventilation while the eaves will keep out the rain and the snow. In all cases the sides of the shelter are to be made as tight as possible, except when and where the openings are made under the eaves. A small knothole on a level with the bodies of the animals will reduce the temperature of the shelter ten times as much, and not accomplish one per cent as much in ventilation as two openings of half a square foot each in the roof. There should be no direct openings below into the outer air; and in one story structures no air shafts are needed: the openings in the roof or under the eaves will suffice. - John M. Stahl, in N. E. Farmer.

## ABOUT CORN FODDER.

Several Methods Which Add Considerably to Its Feeding Value. profitable virtues, it is desirable that farmers should exercise this virtue in the disposal of the corn fodder. It is common to see the larger part of it wasted in the manure yard, thrown out and trampled in the mire. This is for want of a knowledge or will to feed it properly. Prof. Hanry, of the Wisconsin Experiment station, believes that 40 per cent. of the fodder is lost by feeding it whole. We think the loss is even greater than this, and that fully two-thirds by weight is lost by teeding corn fodder whole, while 80 per cent. of it or more is utilized by cutting it and feeding it with meal. This is a most important saving, for if, as we believe, well-saved corn fodder is worth from \$5 to \$8 per ton when hay is worth \$8 to \$12 and more in proportion, as hay is worth more, the loss of one-half of this valuable feed is a serious affair. Few farmers have the true idea of the actual value of fodder corn, or of corn grown for fodder, as much as for grain. It is or may be made the chief support of the stock for the winter, and can be grown for \$3 per ton, dry weight. Thus it is the cheapest fod der that can be procured.

The present method of reducing corn stalks to a condition for feeding needs improvement. A mere cutting leaves tine the stalks in short pieces, with sharp edges which cut the mouths of the an-Imals and cause considerable pain, The writer has found that whole stalks, which can be chewed from end to end, are eaten more easily than the short, sharp-edged pieces left by the fodder cutters. It is not much better that it tolerates this state of existence, when the cutter crushes the stalks, for the sharp edges still cut the mouth. What is wanted is a shredreduce the stalks to a fibrous mass. This may be done by means of steel cutting plates centered eccentrically, so as to slice the stalks longiudinally and reduce them to shreds. The sugar-makers use a shredding ma- tain men who, when they are tired, chine consisting of a drum covered when their nervous system has been with teeth like those of a circular saw, on too great a strain, will smoke one by which the stalks are reduced to or two cigars; they will become quiet. se effective for the purpose desired, and would add a large percentage to least liable to be harmed. — Dr. W. M. the feeding value of the fodder.

Dutler. in Epoch.

Eusliage seems to be the corollary of corn-fodder, and that one is specially made for the other. It is as easy to grow 20 tons of corn as it is to get 1 ton of timothy hay, and to grow 40 tons of it as 2 tons of timothy. Manure and cultivation only are required to produce the largest crops of and explicable by the chemists, a large part of the autriment contained in the green fodder is lost in the drying, and consequently it is desirable to cure it in the sile, when the loss of available nutriment is very little, if any at all. The result is that the sound be given warm, and, when necessary, warmed over must cure it in a sile, and if he wants a sile be must grow corn to fill it with. No doubt the remark that farmers who have siles and have grown and the supply of eggs during the continuance of cold weather, and not explicable by the chemists, a tremely dry weather which has pre-vailed the past summer is true, and that fodder oorn and the silo are indispensable to every well-managed

HOME AND FARM.

-It is wonderful, the exquisite pain A Few Portions Suggestions Concerning The Simple Processes Employed in Their Practical Houseksepion. Foul air poisons farm animals as really love very much. We give it by rapidly and surely as it polsons human | snarling and snapping, saying sarcasbeings, and in all cases the poisoning | tie and biting things; the idlers of the produces substantially the same effect family being busiest in this occupa-

spice, cloves, a little nutmeg. Boil one hour. - Boston Budget.

-Excellent Bun: Take one quart of flour, mix with it one-half teaspooneach, apt to exceel the deleterious ful of salt, three teaspoonfuls baking powder, mix thoroughly. Then rub in one-half cup of butter, four eggs, one pint of milk. Pour the batter into gem pans and bake in a quick oven -Farmer and Manufacturer.

It is not practicable to remove the droppings as soon as they are deposit--Corn Cake: Telks of two egga of her mistress' ignorance. ed, and they, together with the urine half a pint of cream or milk, two teaand the fermenting, decomposing bedspoonfuls of melted butter, one spoonding, are filling the air with burtful ful of yeast and meal enough for bakmatters with such rapidity as to call ing. Let it rise over night and bake in a loaf in the morning. This is for cold for lunch at 1 p. m., and will preferable to gelatine capsules, in the experienced cooks to try.—Good Cheer. give her order at 11 a. m.! The cook case of quinine.

nearly one-half cup of butter, one and one-half cups of four, one-half cup of spoonful of sods, one teaspeonful top. - Boston Budget.

-Select the firmest and best heads of cabbage if you wish to save your In the spring cut off the stalk to within | committed to memory the formula for | concave, the other the convex pattern head, and put the head in the ground will then shoot up to seed.

them too fat; both extremes should be the separate uses comes. avoided with breeding or growing pigs

one gill of compressed yeast, or one from an over-heated oven! salt, and flour enough to make a soft | the first lesson would be how to build enough moisture from the air to perdough; let it rise until light and then a five in an empty stove; the second mit being cut or trimmed. The next its branches cookery, etc., make it useful knead and bake in form of small loaves | would be how to rebuild a fire if by operation then is the cutting or punchor biscuits. - Indianapotis Sentinel accident (?) this should "go out." ing out of the round wafers. For this

runs through himself. People suppose that because a liveryman charges five landle eggs and flour. Do so sooner, and it requires the service of only two dollars an hour for a sleigh during the and much is sadly wasted. - Christian girls to punch these, few days of the sleighing season, he is at Work. few days of the sleighing season he is paying himself for storage of the cutter during the rest of the year. That

-Hot Potato Salad: A farmer's wife writes: "This dish is generally served cold, but the following, made for eating hot, may commend itself to some, as it does to me. Boil half a dozen goodsized potatoes, in slightly-salted wator, and slice while hot or cut into small cubes. Chap a small onion very fine and mix with it. Season with Kabul to Kandahar, a distance of 320 pepper and a little prepared mustard. Fry a few slices of bacon to a nice brown, remove the meat, and into scald, and pour hot over the potatoes, defeat Ayoub Khan, and thus preserve

-There are probably few men who years who can say that they found General Roberts would have them in every case profitable; and yet been defeated and the first phase of more men could probably say this of the coming struggle between the Eusheep than could say it of either hogs glish bull and Russian bear would have or cattle. Fat sheep never advance been precipitated. In the Francoto the extreme values occasionally Prussian war if McMahon had marched reached by other fat stock, but at the as rapidly as did the Crown Prince of One of the Most Perfect Store-Rooms to same time they are less apt to go to Prussia he would have reached Metz an extreme the other way. In fact, in time to relieve it, and the disaster taking a term of years together, no of Sedan would have been avoided. other stock shows as great uniformity | We all know how Grouchy lost Waterin its quotations. The man who com- loo-by not appearing at the time mands the fleeces and the carcasses of Napoleon had calculated; and how a nice bunch of wethers every year | Wellington won it-by the timely arfinds sheep-feeding profitable.-Na- rival of Blucher, who had marched in tional Stockman.

EFFECT OF NICOTINE.

the Use of Tobacco. I suppose that the least harmful Of course, the stronger a pipe is the more nicotine there is in it, and the more nicotine you have the greater is the chance of injuring your system.

When a man smokes too much the excess produces an irritation of the stomach, and the membrane secretes due amount of gastrie fluid. That is retreat from Moscow are familiar his- fasten the iron-work of the vault tothe first phase. After awhile the stomach gets into such a condition so that there is not the same nausea produced in an old smoker that we find in a younger smoker. Whether grinder that will smoking is good for a man depends on his organization. I do not think that smoking is ever beneficial for a nervous man. Then, again, much depends on how much a man smokes and when he smokes. There are cerulp. Either of these methods would The nervous man should not smoke at all. Phlegmatic persons would be

Butler, in Epoch.

Warming Poultry Food. Experienced poultry breeders appreciate the importance of warming the food given to the poultry during the cold weather, but many farmers as ventures in Washington. — Chicago than 177 miles high. A million dollars in silver is no small quantity, and By some curious metamorphosis, do not practice it. Our method is to

-A Buffalo inventor will soon make

MISTRESS AND MAID.

As there are two sides to most quessnows whether the servant is already cation.

time to smile at or to take advantage cause a preference in favor of the

timely and unseasonable. She will in all cases the best form. We beorder a cook to boil ham and have it lieve, however, that it is, for instance, -Walnut Cake: One cup of sugar, measures her mistress at once.

openly trusted them.

them in a place of even temperature. hand, is not a cook, even if she has brass. One of the plates contains the two inches of the head, cut a slit in the "putting together" certain kinds of of the wafers. with the top barely exposed, and it than making." The best cake or specially constructed ovens heated -Mr. N. J. Shepherd, of Eldon, Mo., hot or too cool; and the oven hented soon as the opened forms, resting on a versatile writer for the press, tells to the right degree for cake is not the hot oven, having acquired the the Swine Breeders' Journal that he ready for bread, and so on to the end proper temperature, which is easily has never been able to see that there of the chapter. Half the fire that is recognized by allowing a drop of has been any gain in keeping the needed for baking will boll and broil water to fall upon them, a certain growing or stock hogs fat. The only and toast to perfection, and all these quantity of a mass prepared from ime that it is necessary to have the points must be understood before one wheat starch is spread upon one of hogs fat is when they are ready to can so manage a fire as to have it the plates and the other plate gradualmarket. It is not a good plan to stint | ready for each and all these divisions | ly folded over it. The latter, the hogs-this is worse than keeping of cooking, as the proper moment for through its own weight, expands

Thus we see inexperience announc--Cocoanut Biscuit: Remove the fire at the right moment, burned toast side, is simply scratched off. The shell and dark skin from a fresh cocos- and steak from too much; cake crusted forms are then op ned, and the comnut and grate it. Simmer it slowly top and bottom, and lead-like in the pletely-baked sheet taken out. This nut and grate it. Simmer it slowly top and bottom, and lead-like in the plotely-baked sheet taken out. This garding the fashions. Each number has for half an hour in a quart of milk and center; good, sweet loaves of bread sheet contains as many half wafer clever serial and short stories, practical then squeeze all the milk from the nut in an oven too cool, or with upper capsules as there are patterns. When and timely essays, bright poems, humerin a strong towel. Add to the milk crusts like charcoal, and soggy bases freshly taken from the form, these ous sketches, etc. Its pattern-sheet and gill of liquid yeast, a teaspoonful of If we were to open a cooking-school laid aside a few days, they absorb

-There is no service to which a The third should be how to keep a purpose there are used either simply horse can be put that wears him out steady heat; the fourth how to con- punches or punching machines worked so quickly as drawing a sleigh. He is trol or temper the heat, so as to have by treadles, by means of which each used to the resistance of a buggy's it quick for one hour if needed, and separate wafer is cut out. These are weight, and when he finds that he has slow and steady for the next, if one then counted and put up in packages. nothing, so to speak, be hind him, he desired. After this is well learned it A well trained girl is able to bake, in

MARCHING OF ARMIES.

The Importance of Rapidity of Movem in Modern Warfare, The grand operations of war will depend, as they ever have done, on the marching power of armies. Take, for example, the latest wers wherein troops of civilized nations have been engaged. In 1880 General Roberts marched 10.000 men and 18 guns from miles. The march was made in 23 days over the rough roads and mountain passes of Afghanistan. He arand serve at once. - Farm, Field and to Eugland a strong natural guard against Russian intrigue and force of haste at the sound of battle. And example after example might be cited to prove that upon the marching power alone of armies has depended the fate of battles and nations. It is actually a fact that tactics alone, method of smoking is the use of a independent of questions of clean pipe with mild tobacco, a pipe superior armament, quality of that has not absorbed the nicotine. troops, etc., has very seldom decided The harmfulness of a pipe comes of its the success of a battle. On the other walled with iron lattice-work, and the having absorbed a great quantity of hand, many campaiges have been won workmen are now riveting the iron nicotine, so that you are constantly with scarcely a gun being fired by the bars composing it together. These bars ive and desirable in juvenile literature, taking more of it into your system. strategic marching of armies under a must be very strong, as the weight of Beston Courier. The eight would come next in favor. skillful general. Often also has the the silver which is to be put in the vault loss of life on a march been fully as will be immense. There was a portable great as that caused by a battle. Thus furnace blazing away within the Russians under Gurko lost 2,000 men ing red-hot rivets and sticking vocate, N. Y. The chief constituents of tobacco from freezing in one storm, lasting smoke are water, carbonic acid, car- four days, through which they marched bonic oxide in a state of gas and nico- During the same storm the Twenty-fourth Russian division at Shipka pass lost 6,000

tory, -N. Y. Post

Ohio Men at Washington. wned by O io men. Colonel Ander- tons, or the weight of \$5,800 men of son's, at the corner of K and Sixteenth 200 pounds each. Think of the heavistreets, has for years been one of the est man you know, and it would take Pianos and Organs. 'show places' of the city. Another, 85 000 such men to weigh as much as at the corner of Sixteenth and H streets, does this silver. It would take 178 is owned by Colonel John Hay, who freight cars to carry it, and it would Steinway & Sons., moved to Washington from Cleveland | take a train a mile and a quarter long about two years ago. The third, and to transport it. Its weight would be perhaps the finest, will be ready for so much that 6 locomotives could occupancy this winter. It is situated hardly haul it, and if these dollars on K street, next door to the house were laid out so that one just touched where W. M. Evarts lived when Sec- the other they would make a line 2,retary of State under Hayes, and where | 305 miles long. If they were put into his daughter dispensed to thousands the celebrated "Evarts chocolate." pet ten times the area of the Capitol, or This new place is the property of B. more than thirty acres, and if they were H. Warder, formerly of Springfield, O., piled one upon snother they would PIANOS AND ORGANS FOR RENT. where he amassed a fortune as a man- reach much more than 1.500 times as ufacturer-a fortune to which he has high as the Washington monument, the food given to the poultry during since added by prulent real-estate making a solid column of silver more

especially so if the fowls are well sheltered and properly cared for other wise.—St. Paul Pioneer Press.

Ine calendar year 1887, so far as it has gone, except 1879 and 1880, a decline of 15 cents being shown as compared guards about it are so strong that none with that period of 1886.—Louisville but the craziest of men would think of

Courier-Journal farm and a great economy in the feed- a public test of an odd-looking street -Mr. T. P. Wnite asserts that the -A black walnut log of extraordina-

CACHETS AND WAFERS.

The recent death of Limousia, the tions, so there are two to the vexed inventor of the wafer capsules one of mistresses and servants. A (enchets, capsule amylacem), sugcapable mis ress usually keeps com-petent help; first, because at once she tion to the atility of this form of medi-

wafer capsule over some other forms Unless the woman knows how, when of medication, although it is by no and what to cook, her orders are un- means intended to assert that this is

Formerly, the wafer capsules were A housekeeper trying to conceal her pressed from the large square wafers ignorance from her servants by as- (for which Nuremberg has long been cold wa'er, two eggs, one-half tea- suming a tone of confidence in giving celebrated). At the present time, howher orders is a pitiable spectacle, for ever, they are baked specially. The cream of tartar, one-half pound of at heart they do not respect her easily- cost of fitting up a factory is very walnuts. Cut the nuts into fine pieces. seen-through pretense as much as they small, and the arrangements required and only cheap labor. The most ex-The woman who can not build a pensive item of the whole is the forms. "working fire" in her range, a fire These are made of two hinged pieces, own seed. Bury the heads or keep adapted to the cooking specially on the material being either steel or

> food! For "there is more in baking These forms rest upon one or more bread may be ruined by an oven too either by gas or wood charcoal. As the mass so that it forms a perfeetly uniform layer. The excess of ing itself in late meals, from too little | the mass, which is squeezed out at the

sheets are very brittle, but after being

composed consists of the purest wheat starch, mixed with water. The best fuel is either gas or wood charcoal. There-being only a few requisites, it will be easy to calculate the cost of a day's turnout.

The whole art and mystery of the manufacture centers in the forms, true, the wafers will be uneven. The least defect of the forms will be prominently visible upon the product.

The preparation of flat wafers, such as are used for making sealing wafers, on receipt of \$1 00 each. the fat pour half tescupful of vinegar; rived in time to relieve Kandahar and for ginger cake, etc., is much more simple than that of the medicinal wafers. The former are baked in similar metalic forms, which are, however, atms. Had he been a day or two entirely smooth inside. The thickness have fed sheep for fifteen or twenty later Kandahar would have fallen, of the wafers depends, of course, upon the distance intervelning between the plates when they are closed. - American Druggist.

THE TREASURY VAULT. Cole Ever Constructed.

I dropped into the Treasury and looked at the workmen who are engaged in constructing the new vault. The Treasury itself looks like a tomb. Its interior will be cut up into cells, may enter its columns. in the winter campaign of 1877-78 the vault, and four men were carrythem through the holes which had been drilled in these iron bars. They were then rivited by the pounding of a heavy hammer while a man held an iron mallet against them at the back. men, 80 per cent, of its strength, from Each of these lattice-work walls rethe same cause. The terrible losses quire 2,500 rivets, and it will take gether. The vault is to contain \$100,-The finest houses in Washington are know that its weight will be 3,580

000,000, which is such an immense sum that few people can comprehend it. It will give some idea of it to when you pack \$100,000,000 into a

1888.

HARPER'S WEEKLY has a well-estab In disease. This alone would make it as necessary to ventilate stock shelters as to ventilate our own dwellings. But in addition, the air in the former is more rapidly contaminated. The mature of the more rapidly contaminated. The mature of vigor and thrift, culminating ition.

—Spiced Fruit: Four quarts of ripe fairness of fruit, three and one-half pounds of fruit, three and one-half pounds of its chief pounds of the more rapidly contaminated. The mature of the more rapidly contaminated. The mature of the mistress herself would be an unprofitable on the fairness of its chief properties of the mistress herself would be an unprofitable on the fairness of its chief properties of the mature of the mistress herself would be an unprofitable or whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already what she desires, or if not, whether the servant is already that the more already what she desires, or if not, whether the servant is already that the more alread make a poor servant if their positions profitable business could be carried on which include serial and short stories by were reversed, then a bad servant will by at least one, or perhaps even more, the best and most popular writers, fit it not become a good one in her service! manufacturers in each country. To a for the perusal of people of the wides A woman who knows nothing of cortain ex ent, the choice of this form range of tastes and pursuits. Supplements are frequently provided, and no expense is deceive her cook into believing that the rate with which its existence or tic ability to bear upon the illustration of the rate with which its existence or tic ability to bear upon the illustration of the rate with which its existence or tic ability to bear upon the illustration of the rate with which its existence or the manner. she knows what she is talking about, availability is kept before the memory the changeful phases of home and foreign though a well-trained servant will of the prescriber. It only needs a history. In all its features HARPER'S listen respectfully and wait a fitting slight impetus, from time to time, to WEEKLY is admirably adapted to be a welcome guest in every household.

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which must be absolutely true and for three years back, in neat cloth binding, perfect. If the forms are not exactly will be sent by mail, postage paid or by true, the wafers will be uneven. The ceed one dellar per volume), for \$7 00 per Cloth Cases for each volume, suitable for binding, will be sent by mail, post-paid,

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HARPER'S YOUNG PEOPLE interests all young readers by its carefully selected variety of themes and their well-consider It has great somber columns down ed treatment. It contains the best serial each side of it, and the doors of its and short stories, valuable articles on scibasement are so cut that they look as entific subjects and travel, historic and biothough they were dug out of a solid graphical sketches, papers on athletic rock. Every thing about it is massive, and it makes me think more of the mous writers. Its illustrations are numer-Bank of England than any other build- ous and excellent. Occasional Suppleing I have seen. It is made in the ments of especial interest to Parents and shape of a hollow square, with wide Teachers will be a feature of the forthcomtiers of granite walls running around ing volume, which will comprise fifty-three a court in the center. It is in this weekly numbers. Every line in the paper court that the new vault is being built. is subjected to the most rigid editorial scrutiny in order that nothing harmful

An epitome of everything that is attract-A weekly feast of good things to the zisits.—Brooklyn Union.
It is wonderful in its wealth of pictures information, and interest .- Christian Ad

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Single Numbers, Five Cents Each. irregularly and does not produce the Napoleon's army experienced in its due amount of gastrie fluid. That is retreat from Moscow are familiar his more than 100,000 of these rivets to Office Money Order or Draft, to avoid Newspapers are not to copy this adver tisement without the express order of Harper & Brothers. Address, HARPER & BROTHERS,

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Chicago Cottage Organs. Rent applied as part payment.

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but the craziest of men would think of trying it. — Washington Letter in Savannah News.

—A black walnus log of extraording.

—A black walnus log of extraording. the ordinary method of curing fodder corn is very considerable, and will easily pay a large pay of the expense of growing the crop.—K. Y. Times.

Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits must be due to solder or other impurities—arsenic, copper or lead.—Arkansaw Traceler.

Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits must be due to solder or other impurities—arsenic, copper or lead.—Arkansaw Traceler.

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Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits must be due to solder or other invertibles.

Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits are harmless, and that the poisoning by canned fruits are accently aligned. Maine, and receive frue, fall information, and receive frue, fall information, and receive fruits and receive fruits.

Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits are accently aligned.

Saits formed by fruit acids and tin are harmless, and that the poisoning by canned fruits are accently aligned.

Saits formed by LOCAL DIRECTORY.

LODGE DIRECTORY.

Richmond Lodge, No. 25, meets 2nd and 4th Tuesday in each month. J. SPEED SMITH, W. M. B. J. NEWLON, Secretary.

Richmond R. A. Chapter, No. 16 meets 3rd Tuesday in each month. W. F. FRANCIS, H. P. D. P. ARMER, Secretary. RICHMOND COMMANDERY, No. 10.

Regular meeting first Tuesday in each onth. Visiting Sir Knights are courteously invited to attend. J. SPEED SMITH, Eminent Commander D. P. ARMER, Recorder.

Madison Lodge, No. 183, at Kirksville meets Saturday evening before the full moon in every month. T. E. SHANKS, W. M. J. M. SMITH, Secretary.

Kingston Lodge, No. 315, at Kingston, meets Saturday evening before the full TAMES M. BOEN, W. M. I. C. WITT, Secretary. Waco Lodge. No. 338, at Waco, meets

4th Saturday in every month.
D. G. MARTIN, W. M.

W. T. FIELDER, Secretary. JOHN HILL, W. M. JOHN G. TAYLOR, Secretary. Daniel Boone Lodge, No. 454, at Fox-

wn, meets 3rd Saturday in every month SANTFORD OLDHAM, W. M. JACOB H. SHEARER, Secretary. Berea Lodge, No. 617, at Beret, meets 1st Saturday. Wm. M. ADAMS, W. M. J. C. DAVIS, Secretary.

. 0. 0. F . Madison Lodge, No. 14, I. O. O. F. Hall,on Main Street. M. B. ARBUCKLE, N. G. L. J. FRAZEE, Secretary.

Boone Encampment, No.40, meets every irst and third Thursday at Odd Fellows Hall on Main Street, Richmond, Ky. W. L. FARLEY, C. P. L. J. FRAZER, Scribe.

Richmond Uniform Degre Camp No meets second Thursday in each month, t Odd Fellows Hall, R. A. BARLOW, Captain, L. J. FRAZER, Clerk,

KNIGHTS OF HONOR. Amity Lodge, No. 515, K. of H., meets verly Friday evening in Odd Fellows Hall at 7 o'clock. W. B. BENNY, Dictator. IAMES TEVIS, Reporter.

> CHURCH DIRECTORY. BAPTIST.

Cane Spring, (Calvinist), 1st Saturday and Sunday. Pastor, Rev. William Ru-

Sunday. Pastor, Rev. T. L. Lawson. Pilot Knou, and Saturday and Sunday. Pastor, T. L. Lawson. Kirksville, (Brick Church), Saturday

and Sunday. Pastor, Rev. J. A. James. Republican, 2nd Saturday and Sunday, and Sunday after 4th Saturday. Pastor, Richmond, 1st and 3rd Saturdays and

Sundays. Sunday school 9 A. M. each Sabbath. Prayer meeting Thursday night, Pastor, Rev. Richmond, Predestinarian, Services 2nd Saturday and Sunday and 4th Sunday, Pastor, Rev. E. H. Burnam,

Silver Creek, 1st Saturday and Sunday. Pastor, Rev. B. S. Hunting. Union, 1st Saturday and following Sur Pestage Free to all Subscribers in the day. Pastor, Rev. John G. Pond. Viney Fork, 4th Saturday and Sunday. Pastor, Rev. J. A. James. Waco (United), 2nd Saturday and Sun

lay. Pastor, Rev. -Richmond, (First United, colored), Services 3rd Saturday and following Sunday in each month, at 11 o'clock A. M., and also 3 and 7 P. M., on Sunday. Pastor, ZINE, for three years back, in neat cloth

CATHOLIC. Richmond, Services, 1st and 3rd Sun-days, 10 A. M. Pastor, Rev. Father

DISCIPLES OF CHRIST Flat Woods, 3rd Sunday and preceding Saturday. Pastor, Elder J. C. Walden. 5th Sunday. Pastor, Eld. J. W. Harding. Glade, 4th Sunday and preceding Saturday, Pastor, Elder Colier. Kirksville, 2nd Sunday and preceding Saturday. Pastor, Elder Joseph Ballew Mt. Pleasant, 2nd and 4th Sundays and

preceding Saturdays. Sabbath school, 10 A. M. Pastor, Elder B. C. Hagerman. Mt. Zion, 1st and 3rd Sundays and Saturday preceding 3rd Sunday. Pastor, Elder L. H. Reynolds. Richmond, Services every Sunday, anday-school at 9:30 A. M. Prayer eeting Wednesday evenings. Union, 1st Sunday and preceding Satur-White Oak Pond, 2nd Sunday. Pastor,

Elder L. H. Reynolds. EPISCOPAL. Richmond, (Protestant), Services every Sunday, morning and evening, and on Friday evening. Pastor, Rev. W. Y.

METHODIST. College Hill, (Centenary M. E.), 1st Sunday morning, and 4th Sunday, morning and night. Prayer meeting every alternate Wednesday night. Sunday school every Sunday morning. Pastor, Eld. J. F.

College Hill. (M. E. South), 2nd Sun day, morning and night. Prayer meeting every alternate Wednesday night. Sunday school every Sunday morning. Pastor, Rev. D. P. Ware. Kirksville. Pastor, Rev. S. W. Peeples. Providence, 1st and 3d Sunday mornings. Pastor, Rev. J. A. Henderson.

9:30, T. J. Scott, Superintendent. Services every 2nd and 4th Sunday mornings at 11 A. M., and every Sunday night at 7 P. M. Pastor, Rev. J. A. Henderson. PRESBYTERIAN. Bethel Meeting House, 2nd and 5th Sundays. Forman's Chapel, 4th Sunday.

Richmond, (South). Sunday-school

day. Prayer meeting Wednesday nights.
Richmond, (North), Services 11 A. M.,
and 3 P. M. Pastor,
Silver Creek Chapel, 1st and 3rd Sun-Ford, 2nd and 4th Sundays; 10:30. A. M., and 4 P. M. Sunday school, 3 P. M. Pastor Rev. L. H. Blanton, D. D.

MADISON COUNTY DIRECTORY. CIRCUIT COURT. Judge, J. R. Morton. Commonwealth's Attorney, C. J. Brons-

First Monday in January, 1st Monday in June and 3rd Monday in October. Third Monday in March and Septem-TIME OF HOLDING QUARTERLY AND at White's Drug Store.

COUNTY COURT. Quarterly Court, fourth Monday County Court, first Monday in each Drug Store.

TIME OF HOLDING CITY COURT,

First Saturday in every month. COUNTY OFFICERS. County Judge, J. C. Chenau't. County Clerk, Thomas Thorpe. County Attorney, J. A. Sullivan, Sheriff, N. B. Deatnerage. Jailor, George V. Maupin, Coroner, Alexander Norris. Surveyor, B. F. Crooke Assessor, John W. McPherson.

Supt. Public Schools, Mrs. Amanda CITY OFFICERS.

City Judge, H. C. Rice. City Attorney, A. J. Reed, City Collector, R. A. Barlow. City Clerk, Wm. G. White, CITY POLICE.

J. D. Feeney and J. A. Mershon. CITY COUNCIL, . D. Mitchell, Mayor. First Ward, J. Stone Walker, Second Ward, G. W. Evans, Third Ward, Owen McKee.

Fourth Ward, J. W. Caperton. USTICES OF THE PEACE, CONSTABLES, AND PLACES AND TIMES OF HOLDING COURT. MONTHS-FEBRUARY, MAY, AUGUST AND

NOVEMBER. Richmond District, No. 1 D. P. Armer, at Court House, 3rd Wednesday. Wm. Willis, at Court House, 1st Saturday.

Lyman Parrish, Constable. Foxtown District, No. 2. G. B. Million, John D. Hamilton Lodge, No. 578, at Union City, meets 2nd Saturday in every Saturday J. S. Chenault, Constable. Union District, No. 3. Albertis Parks, at Union City, 1st Saturday, John A. Turpin, at Doylesville, 2nd Saturday, R. N. Lanter, Constable.

Elliston District, No. 4. Wm. Benton Waco, 2nd Saturday, John Moores, at Waco, 3rd Saturday. Charles Oldham, Constable, Yates District, No. 5. T. J. Coyle, at Kingston, 4th Saturday. Leeland D. Maupin, at Speedwell, 2nd Wednesday.

George Young, Constable, Glade District, No. 6, James M Wood, neets every Monday night at Odd Fellows at Berea, 3rd Saturday. John G. Galloway, at White's Station, 1st Saturday. R. G. Ballard, Constable. Kirksville District, No. 7 J. M. Cotton at Kirksville, 2nd Saturday. Alexander, Ray, at Kirksville, 3rd Saturday. J. M. Fowler, Constable.

> Poosey District, No. S. J. N. Hendren at Cotton's Store, 3rd Monday. Wm. A., Chandler, at Reagan's Store, 3rd Friday. i. D. Carpenter, Constable Million District, No. 9. J. M. Long, at Stapp's Store, 3rd Tuesday. A. B. New-by, at Holman's Store, 3rd Saturday. James A. Harvey Constable

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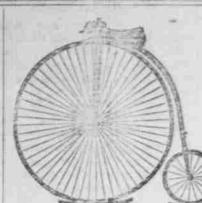
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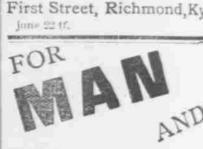
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